

# PUMPLOGGER: Digital remote system for data monitoring and logging at resin injections in underground mining

by



Underground mining operations are often confronted with water seepage problems, especially with resins. Currently, pumping equipment does not have digital technology to record and study data relating to the operation and data are taken by the operator on site. The main objective of this project is the development of a DIGITAL SYSTEM for the direct monitoring and data logging of resin injection operations. Ateglob and NLS will work on: i) the study of a sensor system for the measurement of parameters (T, P, Q), ii) development of an electronic device for direct reading and recording of data, and iii) the design of a user interface software for data study. In short, a system that allows technicians on site to visualise parameters and survey engineers to collect and interpret data after each application, all under the challenge associated with the chemical nature of the resins.

## Vertical sector addressed

- ICT

## Challenges tackled by SMEs

- Digital Monitoring
- Data Logging

## Key actions addressed

- KA1
- KA4
- KA5
- KA6

*MINE-Demo scheme*

